

CLAIMS

What is claimed is:

- 5 1. A method for controlling temperature at a plurality of control points within an airspace, said method comprising:

obtaining actual temperatures at a plurality of control points within said air space;

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creating an actual temperature database containing values of said actual temperatures at said control points;

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comparing said actual temperatures at said control points with a reference temperature database, said reference temperature database containing preferred temperatures at said control points; and

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generating control signals for application to temperature control devices, said temperature control devices being operable in response to said control signals for changing temperatures at said control points whereby said actual temperatures at said control points are made to approach said preferred temperatures at said control points within said airspace.

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2. The method as set forth in claim 1 wherein different control signals are generated for each of said temperature control devices, independently.

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3. The method as set forth in claim 1 wherein said actual temperatures at said plurality of said control points are measured using an infrared scanning system.

4. The method as set forth in claim 3 wherein said infrared scanning system includes one or more infrared scanning cameras.

5 5. The method as set forth in claim 1 wherein said temperature control devices include a controllable fan device operable in response to said control signals for controlling air flow volume discharged from said temperature control devices into said air space during a given period of
10 time.

6. The method as set forth in claim 1 wherein said temperature control devices include a direction control device operable in response to said control signals for
15 controlling direction of air flow volume discharged from said temperature control devices into said air space.

7. The method as set forth in claim 6 wherein said temperature control devices include a controllable fan
20 device operable in response to said control signals for controlling air flow volume discharged from said temperature control devices into said air space during a given period of time.

25 8. The method as set forth in claim 7 wherein said actual temperatures at said plurality of said control points are measured using an infrared scanning system.

9. The method as set forth in claim 8 wherein said infrared
30 scanning system includes one or more infrared scanning cameras.

10. The method as set forth in claim 1 and further including:

establishing a high temperature limit value indicative of a high temperature alarm condition for one or more of said control points; and

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actuating an alarm system when said actual temperatures at said one or more control points exceed said high temperature limit value for a predetermined period of time.

10 11. The method as set forth in claim 1 and further including:

establishing a low temperature limit value indicative of a low temperature alarm condition for one or more of said
15 control points; and

actuating an alarm system when said actual temperatures at said one or more control points are less than said low temperature limit value for a predetermined period of time.

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12. A storage medium including machine readable coded indicia, said storage medium being selectively coupled to a reading device, said reading device being selectively coupled to processing circuitry within a computer system,
25 said reading device being selectively operable to read said machine readable coded indicia and provide program signals representative thereof, said program signals being selectively operable for controlling temperature at a plurality of control points within an airspace by effecting
30 the steps of:

obtaining actual temperatures at a plurality of control points within said air space;

creating an actual temperature database containing values of said actual temperatures at said control points;

5 comparing said actual temperatures at said control points with a reference temperature database, said reference temperature database containing preferred temperatures at said control points; and

10 generating control signals for application to temperature control devices, said temperature control devices being operable in response to said control signals for changing temperatures at said control points whereby said actual temperatures at said control points are made to approach said preferred temperatures at said control points within
15 said airspace.

13. The medium as set forth in claim 12 wherein different control signals are generated for each of said temperature control devices, independently.

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14. The medium as set forth in claim 12 wherein said actual temperatures at said plurality of said control points are measured using an infrared scanning system.

25 15. The medium as set forth in claim 14 wherein said infrared scanning system includes one or more infrared scanning cameras.

30 16. The medium as set forth in claim 12 wherein said temperature control devices include a controllable fan device operable in response to said control signals for controlling air flow volume discharged from said temperature control devices into said air space during a given period of time.

17. The medium as set forth in claim 12 wherein said temperature control devices include a direction control device operable in response to said control signals for
5 controlling direction of air flow volume discharged from said temperature control devices into said air space.

18. The medium as set forth in claim 17 wherein said temperature control devices include a controllable fan
10 device operable in response to said control signals for controlling air flow volume discharged from said temperature control devices into said air space during a given period of time.

19. The medium as set forth in claim 18 wherein said actual temperatures at said plurality of said control points are
15 measured using an infrared scanning system.

20. The medium as set forth in claim 19 wherein said
20 infrared scanning system includes one or more infrared scanning cameras.

21. The medium as set forth in claim 12 and further including:

25 establishing a high temperature limit value indicative of a high temperature alarm condition for one or more of said control points; and

30 actuating an alarm system when said actual temperatures at said one or more control points exceed said high temperature limit value for a predetermined period of time.

22. The medium as set forth in claim 12 and further including:

establishing a low temperature limit value indicative of a
5 low temperature alarm condition for one or more of said control points; and

actuating an alarm system when said actual temperatures at said one or more control points are less than said low
10 temperature limit value for a predetermined period of time.

23. A system for controlling for controlling temperature at a plurality of control points within an airspace, said system comprising:

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a system bus;

a CPU device connected to said system bus;

20 memory means connected to said system bus; and

measuring means for obtaining actual temperatures at a plurality of control points within said air space, said system further including means for creating an actual
25 temperature database containing values of said actual temperatures at said control points, means for comparing said actual temperatures at said control points with a reference temperature database, said reference temperature database containing preferred temperatures at said control
30 points, and means for generating control signals for application to temperature control devices, said temperature control devices being operable in response to said control signals for changing temperatures at said control points whereby said actual temperatures at said control points are

made to approach said preferred temperatures at said control points within said airspace.

24. The system as set forth in claim 23 wherein said
5 airspace comprises airspace immediately surrounding a
passenger in a passenger-carrying vehicle, said measuring
means comprising temperature sensing means located to
effectively sense point temperatures at various body points
of said passenger, said temperature control devices
10 comprising air vents located near said passenger to
effectively control air temperature at said various body
points of said passenger, said system further including
selection means operable by said passenger for inputting
said preferred temperature for said passenger.

15 25. The system as set forth in claim 24 wherein said
passenger-carrying vehicle is a motorized vehicle having
capacity to carry a plurality of passengers.

20 26. The system as set forth in claim 25 wherein said
passenger-carrying vehicle is an automobile.

27. The system as set forth in claim 25 wherein said
passenger-carrying vehicle is a bus.

25 28. The system as set forth in claim 25 wherein said
passenger-carrying vehicle is a train.

29. The system as set forth in claim 24 wherein said
30 passenger-carrying vehicle is an airplane.

30. The system as et forth in claim 23 wherein said means
for generating control signals further includes processing
means effective for adjusting said control signals to

compensate for heat emitting characteristics of various parts of a human body.